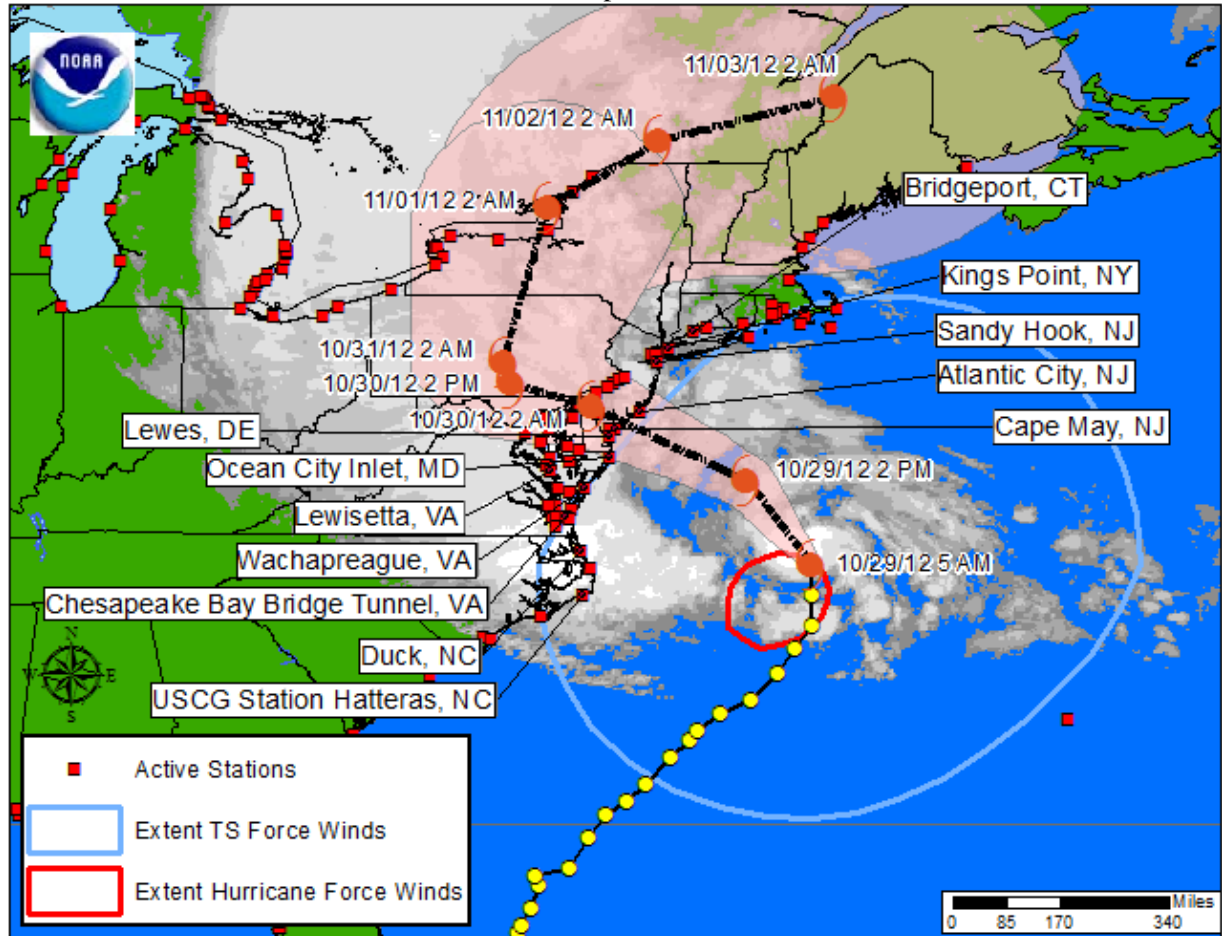




Hurricane SANDY QuickLook
Posted: 06:00 EDT 10/29/2012



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/29/2012 06:00 EDT, water levels from the Outer Banks of North Carolina to Long Island Sound are rising. Water levels along the Mid-Atlantic Coast from USCG Station Hatteras, NC to Kings Point, NY range from 2.1 to 4.3 feet above tidal predictions. Water levels from Florida to South Carolina remain slightly elevated.

Winds from the Outer Banks of North Carolina north to Delaware range from 15 to 40 knots with higher gusts. Winds from New Jersey to Connecticut are slowly increasing and generally range between 10 and 20 knots with gusts of up to 35 knots. Barometric pressure is falling from the Outer Banks of North Carolina to Long Island Sound.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Hurricane SANDY QuickLook, POSTED 06:00 EDT 10/29/2012

Duck, NC: Next predicted high tides are 4.0 ft (1.23 m) at 10/29/2012 07:41 EDT and 3.3 ft (1.01 m) at 10/29/2012 19:56 EDT.

Chesapeake Bay Bridge Tunnel, VA: Next predicted high tides are 3.2 ft (0.98 m) at 10/29/2012 08:37 EDT and 2.6 ft (0.81 m) at 10/29/2012 20:52 EDT.

Wachapreague, VA: Next predicted high tides are 5.0 ft (1.52 m) at 10/29/2012 08:43 EDT and 4.3 ft (1.32 m) at 10/29/2012 20:58 EDT.

Lewisetta, VA: Next predicted high tides are 1.6 ft (0.49 m) at 10/29/2012 14:02 EDT and 1.4 ft (0.43 m) at 10/30/2012 02:20 EDT.

Ocean City Inlet, MD: Next predicted high tides are 2.6 ft (0.78 m) at 10/29/2012 08:19 EDT and 2.1 ft (0.66 m) at 10/29/2012 20:25 EDT.

Lewes, DE: Next predicted high tides are 4.9 ft (1.48 m) at 10/29/2012 08:55 EDT and 4.1 ft (1.25 m) at 10/29/2012 21:15 EDT.

Cape May, NJ: Next predicted high tides are 5.7 ft (1.72 m) at 10/29/2012 08:49 EDT and 4.9 ft (1.51 m) at 10/29/2012 21:09 EDT.

Atlantic City, NJ: Next predicted high tides are 4.8 ft (1.47 m) at 10/29/2012 07:41 EDT and 4.1 ft (1.27 m) at 10/29/2012 20:00 EDT.

Sandy Hook, NJ: Next predicted high tides are 5.5 ft (1.69 m) at 10/29/2012 08:01 EDT and 4.9 ft (1.50 m) at 10/29/2012 20:22 EDT.

Kings Point, NY: Next predicted high tides are 8.3 ft (2.54 m) at 10/29/2012 12:00 EDT and 7.6 ft (2.34 m) at 10/30/2012 00:27 EDT.

Bridgeport, CT: Next predicted high tides are 7.6 ft (2.31 m) at 10/29/2012 11:29 EDT and 6.9 ft (2.12 m) at 10/29/2012 23:57 EDT.

USCG Station Hatteras, NC: Next predicted high tides are 0.9 ft (0.28 m) at 10/29/2012 08:59 EDT and 0.7 ft (0.22 m) at 10/29/2012 21:30 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: DW

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE SANDY ADVISORY NUMBER 28
NWS NATIONAL HURRICANE CENTER MIAMI FL AL182012
500 AM EDT MON OCT 29 2012

...SANDY STRENGTHENS...EXPECTED TO BRING LIFE-THREATENING STORM SURGE...COASTAL HURRICANE WINDS AND HEAVY APPALACHIAN SNOWS...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * NORTH OF SURF CITY TO DUCK NORTH CAROLINA
- * PAMLICO AND ALBEMARLE SOUNDS
- * BERMUDA

IN ADDITION...HURRICANE-FORCE WINDS ARE EXPECTED ALONG PORTIONS OF THE COAST BETWEEN CHINCOTEAGUE VIRGINIA AND CHATHAM MASSACHUSETTS. THIS INCLUDES THE TIDAL POTOMAC FROM COBB ISLAND TO SMITH POINT... THE MIDDLE AND UPPER CHESAPEAKE BAY...DELAWARE BAY...AND THE COASTS OF THE NORTHERN DELMARVA PENINSULA...NEW JERSEY...THE NEW YORK CITY AREA...LONG ISLAND...CONNECTICUT...AND RHODE ISLAND.

TROPICAL-STORM-FORCE WINDS ARE EXPECTED NORTH OF CHATHAM TO MERRIMACK RIVER MASSACHUSETTS...THE LOWER CHESAPEAKE BAY...AND SOUTH OF CHINCOTEAGUE TO DUCK NORTH CAROLINA...THE NORTHERN ENDPOINT OF THE TROPICAL STORM WARNING. OTHER COASTAL AND INLAND WATCHES AND WARNINGS ARE IN EFFECT FOR THESE AREAS. PLEASE SEE STATEMENTS FROM LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM EDT...0900 UTC...THE CENTER OF HURRICANE SANDY WAS LOCATED NEAR LATITUDE 35.9 NORTH...LONGITUDE 70.5 WEST. SANDY IS MOVING TOWARD THE NORTH NEAR 15 MPH. A TURN TOWARD THE NORTHWEST IS EXPECTED TODAY...FOLLOWED BY A TURN TOWARD THE WEST-NORTHWEST TONIGHT. ON THE FORECAST TRACK...THE CENTER OF SANDY WILL MOVE OVER THE COAST OF THE MID-ATLANTIC STATES THIS EVENING OR TONIGHT.

REPORTS FROM AN AIR FORCE HURRICANE HUNTER AIRCRAFT INDICATE THAT THE MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 85 MPH WITH HIGHER GUSTS. SANDY IS EXPECTED TO TRANSITION INTO A FRONTAL OR WINTERTIME LOW PRESSURE SYSTEM PRIOR TO LANDFALL. HOWEVER...THIS TRANSITION WILL NOT BE ACCOMPANIED

BY A WEAKENING OF THE SYSTEM...AND IN FACT...A LITTLE STRENGTHENING IS POSSIBLE DURING THIS PROCESS. SANDY IS EXPECTED TO WEAKEN AFTER MOVING INLAND.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 175 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 485 MILES. NOAA DATA BUOY 41001 LOCATED EAST OF CAPE HATTERAS REPORTED SUSTAINED WINDS OF 64 MPH WITH A GUST OF 85 MPH. A WEATHERFLOW STATION IN THIRD ISLAND VIRGINIA REPORTED SUSTAINED WINDS OF 51 MPH WITH A GUST OF 59 MPH. A WEATHERFLOW STATION IN LEWES DELAWARE REPORTED SUSTAINED WINDS OF 43 MPH WITH A GUST OF 49 MPH.

THE MINIMUM CENTRAL PRESSURE ESTIMATED FROM HURRICANE HUNTER AIRCRAFT DATA IS 946 MB...27.94 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS...OR GALE FORCE WINDS...ARE ALREADY OCCURRING OVER PORTIONS OF THE MID-ATLANTIC STATES FROM NORTH CAROLINA NORTHWARD TO LONG ISLAND. GALE FORCE WINDS ARE EXPECTED TO CONTINUE TO SPREAD OVER OTHER PORTIONS OF THE MID-ATLANTIC COAST...NEW YORK CITY...AND SOUTHERN NEW ENGLAND LATER THIS MORNING. WINDS OF HURRICANE FORCE COULD REACH THE MID-ATLANTIC STATES...INCLUDING NEW YORK CITY AND LONG ISLAND...LATER TODAY. WINDS AFFECTING THE UPPER FLOORS OF HIGH-RISE BUILDINGS WILL BE SIGNIFICANTLY STRONGER THAN THOSE NEAR GROUND LEVEL.

STORM SURGE...THE COMBINATION OF AN EXTREMELY DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

NC NORTH OF SURF CITY INCLUDING PAMLICO/ALBEMARLE SOUNDS...4 TO 6 FT
SE VA AND DELMARVA INCLUDING LOWER CHESAPEAKE BAY...2 TO 4 FT
UPPER AND MIDDLE CHESAPEAKE BAY...1 TO 3 FT
LONG ISLAND SOUND...RARITAN BAY...AND NEW YORK HARBOR...6 TO 11 FT
ELSEWHERE FROM OCEAN CITY MD TO THE CT/RI BORDER...4 TO 8 FT
CT/RI BORDER TO THE SOUTH SHORE OF CAPE COD INCLUDING BUZZARDS BAY AND NARRAGANSETT BAY...3 TO 6 FT
CAPE COD TO THE MA/NH BORDER INCLUDING CAPE COD BAY...2 TO 4 FT
MA/NH BORDER TO THE U.S./CANADA BORDER...1 TO 3 FT

SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. GIVEN THE LARGE WIND FIELD ASSOCIATED WITH SANDY...ELEVATED WATER LEVELS COULD SPAN MULTIPLE TIDE CYCLES RESULTING IN REPEATED AND EXTENDED PERIODS OF COASTAL AND BAYSIDE FLOODING. IN ADDITION... ELEVATED WATERS COULD OCCUR FAR REMOVED FROM THE CENTER OF SANDY. FURTHERMORE...THESE CONDITIONS WILL OCCUR REGARDLESS OF WHETHER TROPICAL DEPRESSION POST-TROPICAL CYCLONE. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

RAINFALL...RAINFALL TOTALS OF 3 TO 6 INCHES ARE EXPECTED OVER FAR NORTHEASTERN

NORTH CAROLINA WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES POSSIBLE. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE EXPECTED OVER PORTIONS OF THE MID ATLANTIC STATES...INCLUDING THE DELMARVA PENINSULA...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES ARE POSSIBLE FROM THE SOUTHERN TIER OF NEW YORK STATE NORTHEASTWARD THROUGH NEW ENGLAND.

SNOWFALL..SNOW ACCUMULATIONS OF 2 TO 3 FEET ARE EXPECTED IN THE MOUNTAINS OF WEST VIRGINIA WITH LOCALLY HIGHER TOTALS TODAY THROUGH WEDNESDAY. 1 TO 2 FEET OF SNOW IS EXPECTED IN THE MOUNTAINS OF SOUTHWESTERN VIRGINIA TO THE KENTUCKY BORDER...WITH 12 TO 18 INCHES OF SNOW IN THE MOUNTAINS NEAR THE NORTH CAROLINA/TENNESSEE BORDER AND IN THE MOUNTAINS OF WESTERN MARYLAND.

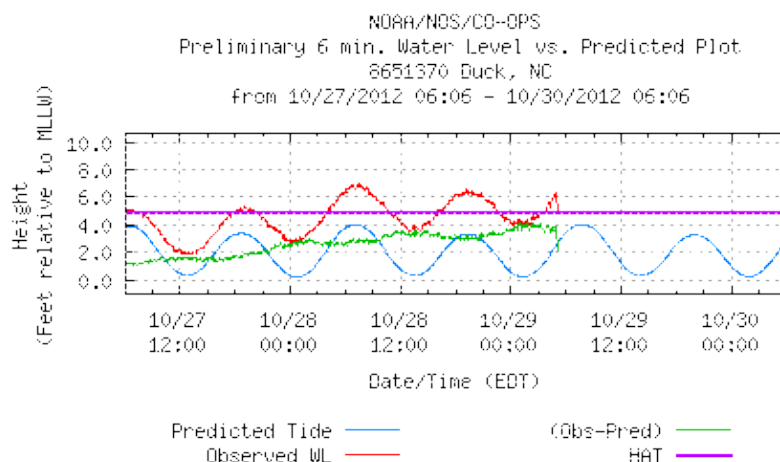
SURF...DANGEROUS SURF CONDITIONS WILL CONTINUE FROM FLORIDA THROUGH NEW ENGLAND FOR THE NEXT COUPLE OF DAYS.

FORECASTER PASCH/CANGIALOSI

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#), [Wachapreague - Barometric](#), [Lewisetta - Water Level](#), [Lewisetta - Winds](#), [Lewisetta - Barometric](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Lewes - Barometric](#), [Cape May - Water Level](#), [Cape May - Winds](#), [Cape May - Barometric](#), [Atlantic City - Water Level](#), [Atlantic City - Barometric](#), [Sandy Hook - Water Level](#), [Sandy Hook - Winds](#), [Sandy Hook - Barometric](#), [Kings Point - Water Level](#), [Kings Point - Winds](#), [Kings Point - Barometric](#), [Bridgeport - Water Level](#), [Bridgeport - Winds](#), [Bridgeport - Barometric](#), [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [USCG Station Hatteras - Barometric](#),

Duck, NC - Return to List

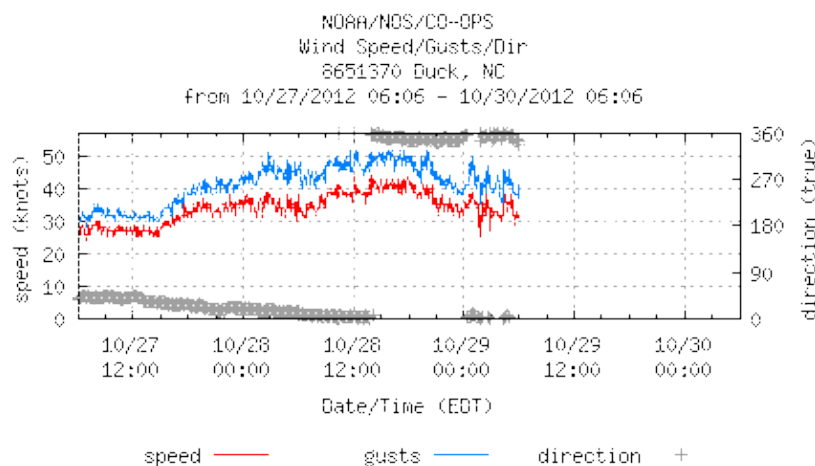


Last Observed Sample: 10/29/2012 05:06 (EDT)

Relative to MLLW: **Observed: 4.84 ft.** **Predicted: 2.68 ft.** **Residual: 2.16 ft.**

Historical Maximum Water Level: Sep 18 2003, 4.13 ft. above MHHW

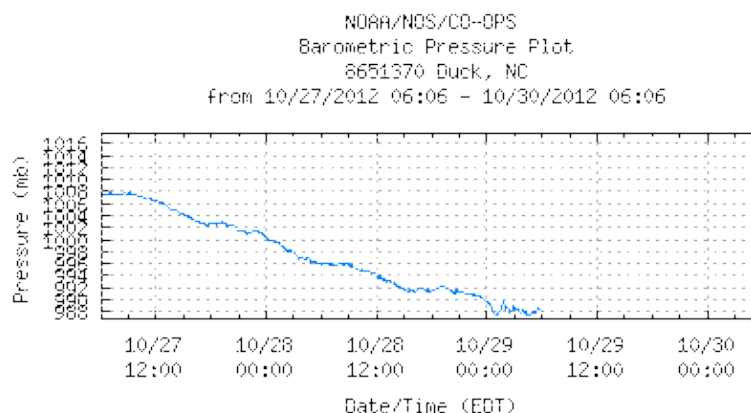
Duck, NC - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Wind Speed: 32 knots **Gusts: 41 knots** **Direction: 339° T**

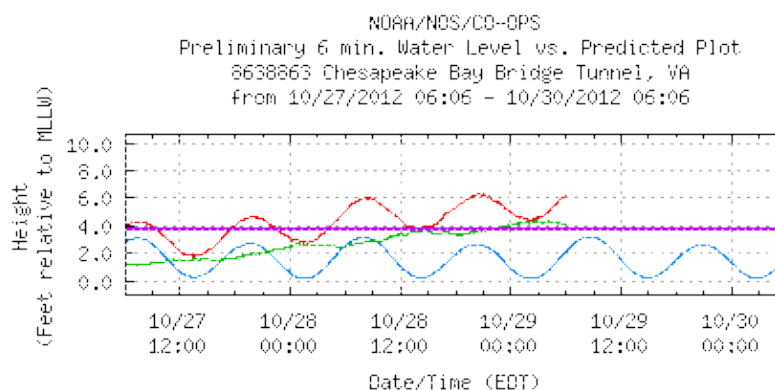
Duck, NC - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Barometric Pressure: 988.2 mb

Chesapeake Bay Bridge Tunnel, VA - Return to List



Predicted Tide —
Observed WL —

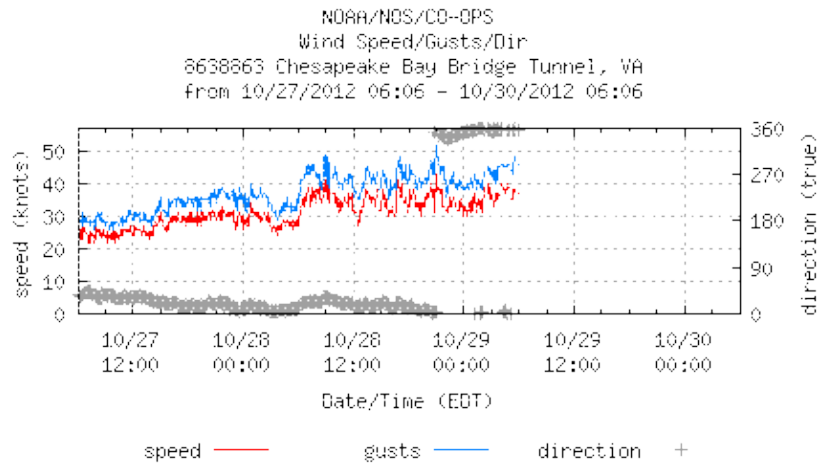
(Obs-Pred) —
HAT —

Last Observed Sample: 10/29/2012 05:54 (EDT)

Relative to MLLW: **Observed: 6.21 ft.** **Predicted: 2.09 ft.** **Residual: 4.12 ft.**

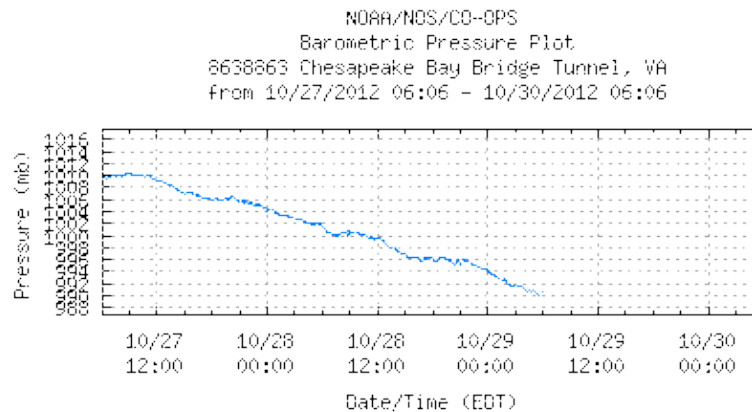
Historical Maximum Water Level: Nov 12 2009, 4.66 ft. above MHHW

Chesapeake Bay Bridge Tunnel, VA - Return to List



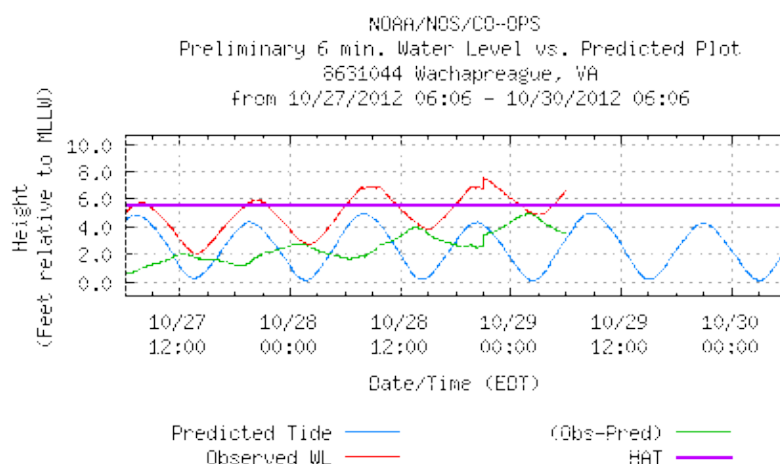
Last Observed Sample: 10/29/2012 05:54 (EDT)
Wind Speed: 37 knots Gusts: 46 knots Direction: 356° T

Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/29/2012 05:54 (EDT)
Barometric Pressure: 990.5 mb

Wachapreague, VA - Return to List

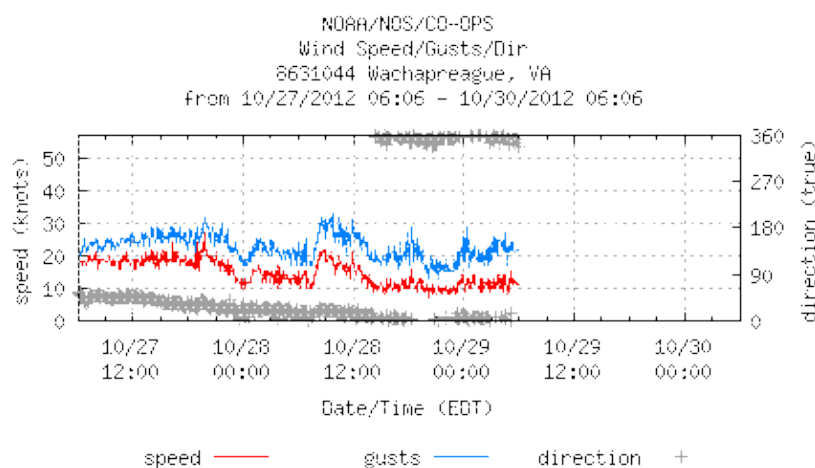


Last Observed Sample: 10/29/2012 06:00 (EDT)

Relative to MLLW: **Observed: 6.66 ft.** **Predicted: 3.13 ft.** **Residual: 3.53 ft.**

Historical Maximum Water Level: Feb 5 1998, 4.41 ft. above MHHW

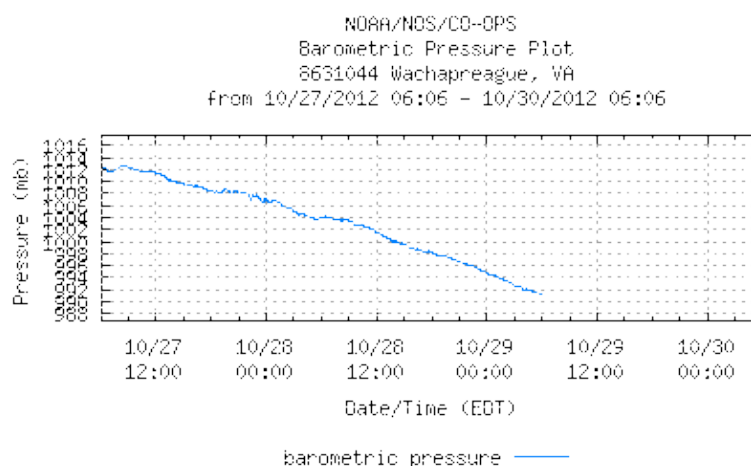
Wachapreague, VA - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Wind Speed: 12 knots **Gusts: 22 knots** **Direction: 349° T**

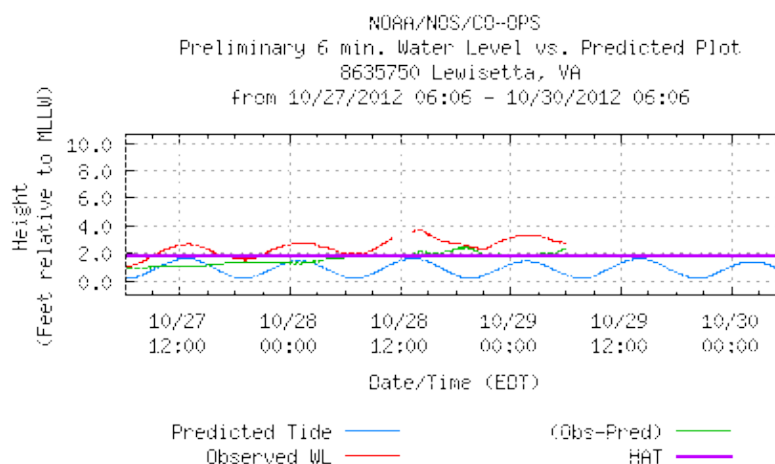
Wachapreague, VA - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Barometric Pressure: 991.4 mb

Lewisetta, VA - Return to List

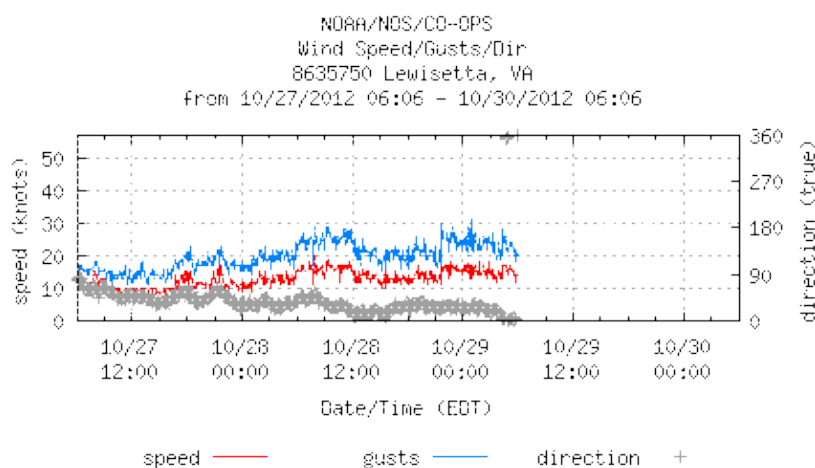


Last Observed Sample: 10/29/2012 05:54 (EDT)

Relative to MLLW: **Observed: 2.80 ft. Predicted: 0.47 ft. Residual: 2.33 ft.**

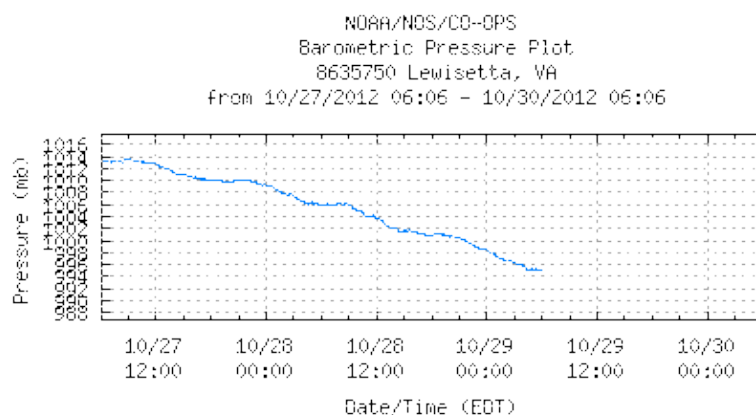
Historical Maximum Water Level: Sep 1 2006, 4.14 ft. above MHHW

Lewisetta, VA - Return to List



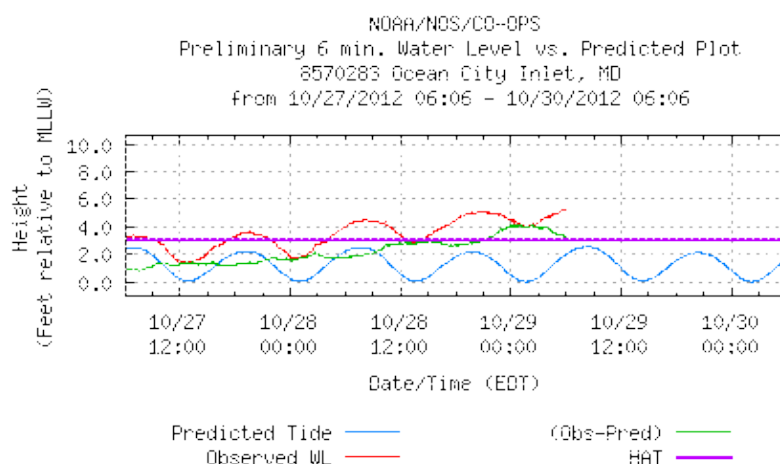
Last Observed Sample: 10/29/2012 05:54 (EDT)
Wind Speed: 14 knots Gusts: 20 knots Direction: 359° T

Lewisetta, VA - Return to List



Last Observed Sample: 10/29/2012 05:54 (EDT)
Barometric Pressure: 995.0 mb

Ocean City Inlet, MD - [Return to List](#)

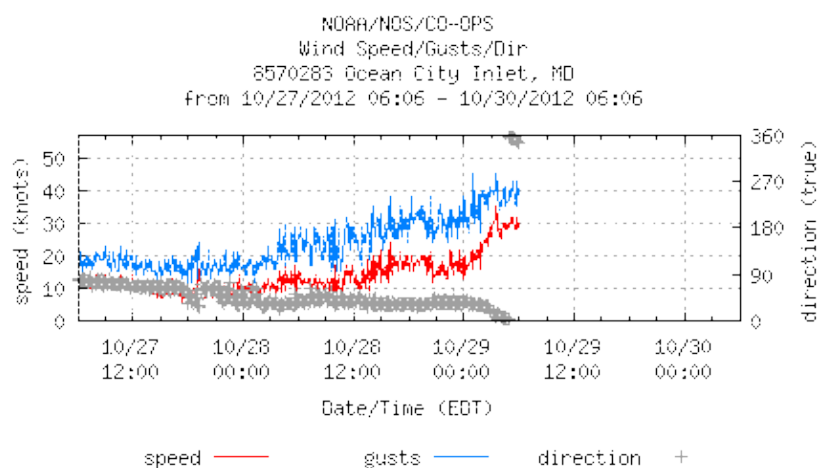


Last Observed Sample: 10/29/2012 05:54 (EDT)

Relative to MLLW: **Observed: 5.29 ft.** **Predicted: 1.96 ft.** **Residual: 3.33 ft.**

Historical Maximum Water Level: Feb 5 1998, 3.61 ft. above MHHW

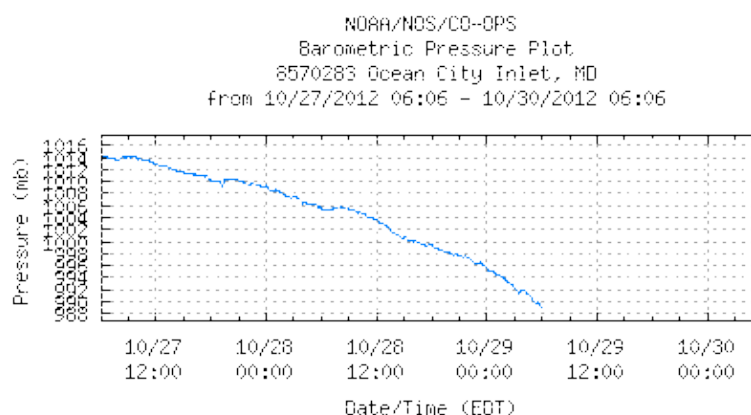
Ocean City Inlet, MD - [Return to List](#)



Last Observed Sample: 10/29/2012 05:54 (EDT)

Wind Speed: 29 knots **Gusts: 39 knots** **Direction: 344° T**

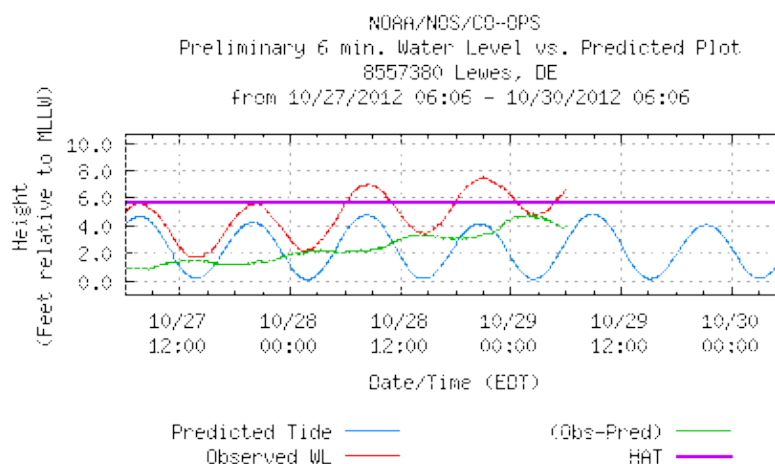
[Ocean City Inlet, MD - Return to List](#)



Last Observed Sample: 10/29/2012 05:54 (EDT)

Barometric Pressure: 989.1 mb

[Lewes, DE - Return to List](#)

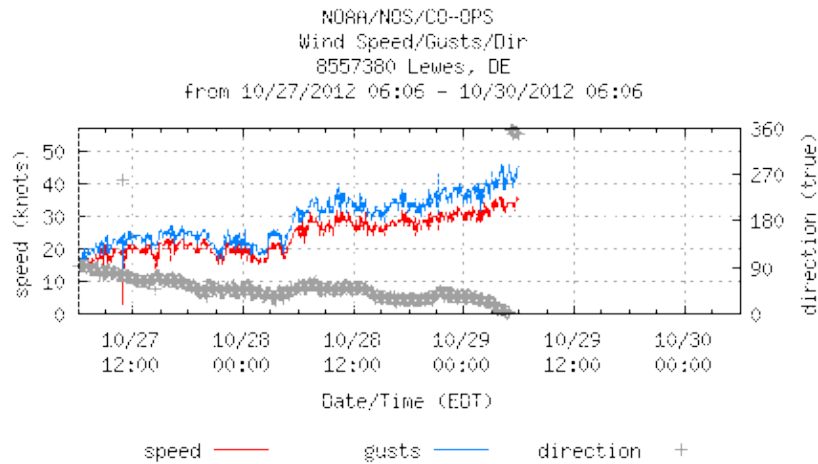


Last Observed Sample: 10/29/2012 05:54 (EDT)

Relative to MLLW: **Observed: 6.68 ft.** **Predicted: 2.75 ft.** **Residual: 3.93 ft.**

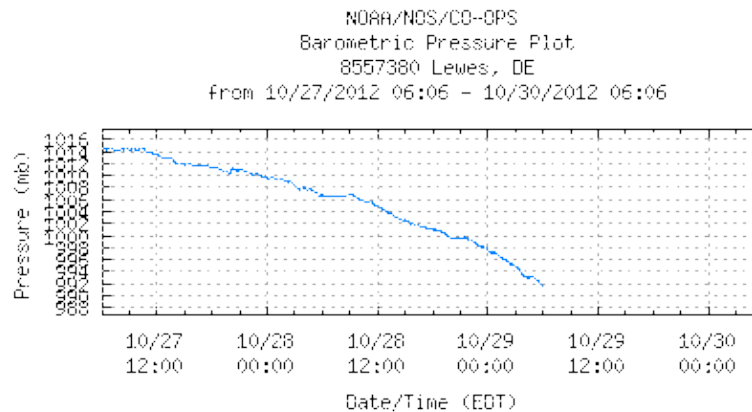
Historical Maximum Water Level: Mar 6 1962, 4.57 ft. above MHHW

Lewes, DE - Return to List



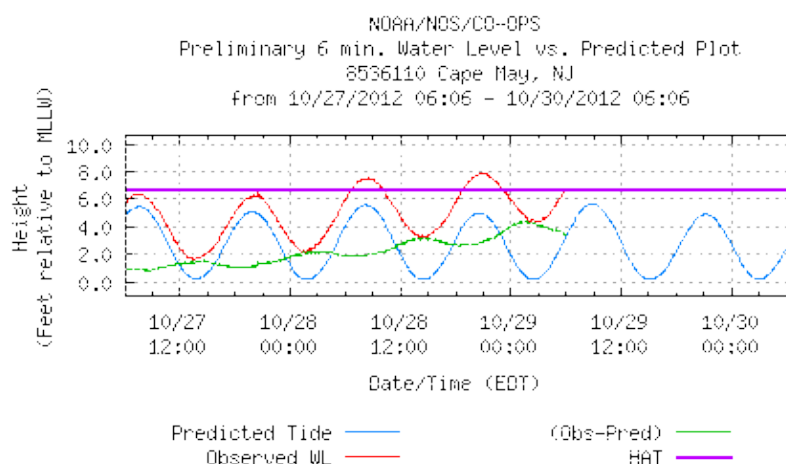
Last Observed Sample: 10/29/2012 05:54 (EDT)
Wind Speed: 35 knots Gusts: 45 knots Direction: 349° T

Lewes, DE - Return to List



Last Observed Sample: 10/29/2012 05:54 (EDT)
Barometric Pressure: 991.7 mb

Cape May, NJ - Return to List

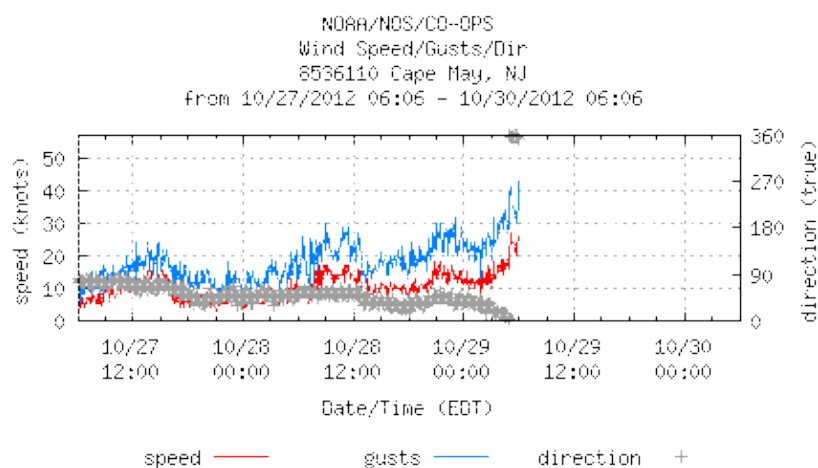


Last Observed Sample: 10/29/2012 06:00 (EDT)

Relative to MLLW: **Observed: 6.65 ft.** **Predicted: 3.26 ft.** **Residual: 3.39 ft.**

Historical Maximum Water Level: Sep 27 1985, 3.36 ft. above MHHW

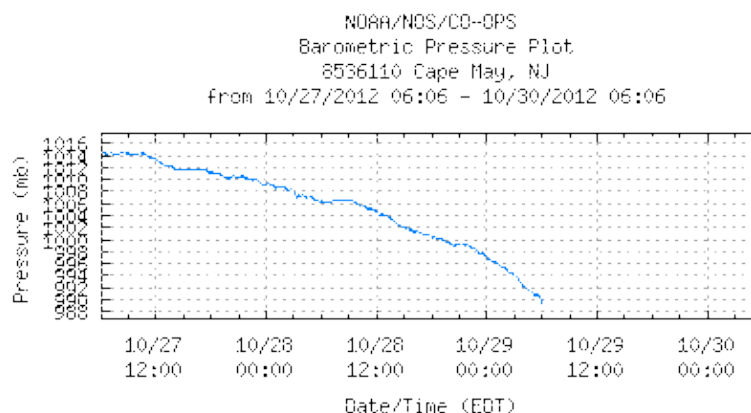
Cape May, NJ - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Wind Speed: 26 knots **Gusts: 43 knots** **Direction: 352° T**

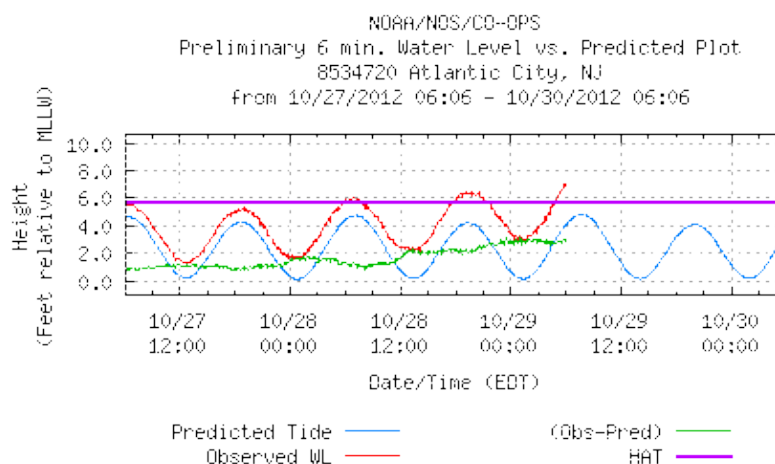
Cape May, NJ - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Barometric Pressure: 989.5 mb

Atlantic City, NJ - Return to List

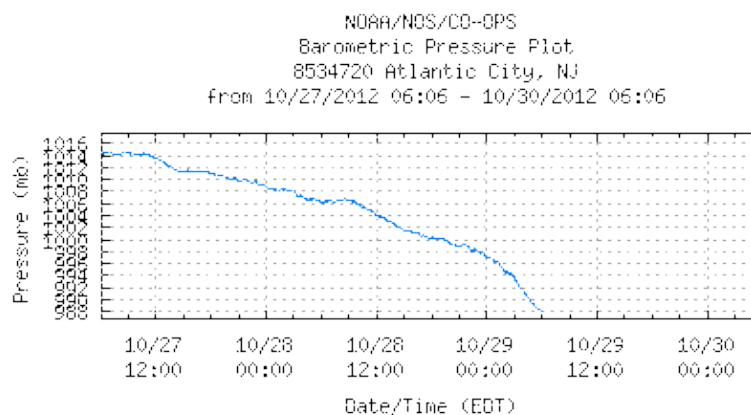


Last Observed Sample: 10/29/2012 06:00 (EDT)

Relative to MLLW: **Observed: 7.09 ft. Predicted: 4.09 ft. Residual: 3.00 ft.**

Historical Maximum Water Level: Dec 11 1992, 4.38 ft. above MHHW

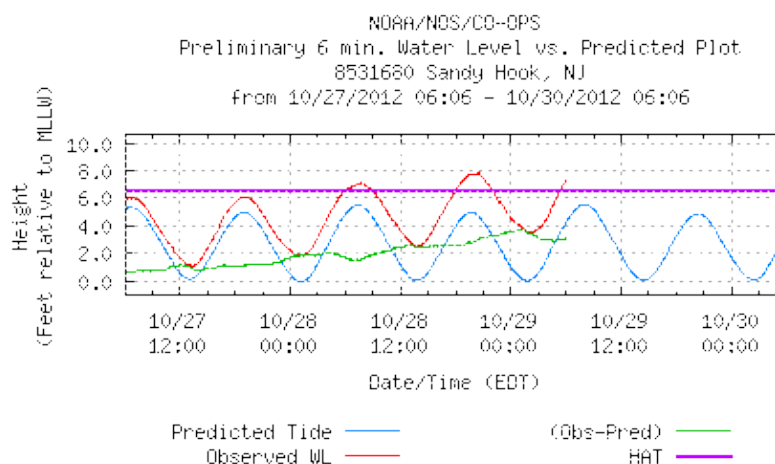
[Atlantic City, NJ - Return to List](#)



Last Observed Sample: 10/29/2012 06:00 (EDT)

Barometric Pressure: 988.0 mb

[Sandy Hook, NJ - Return to List](#)

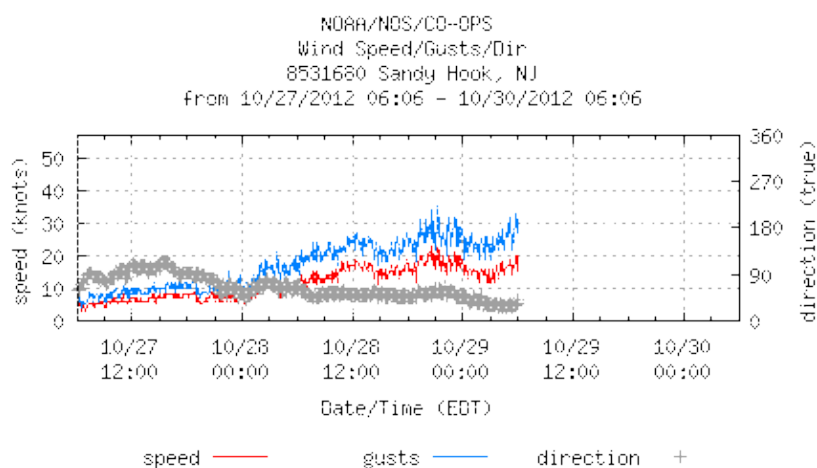


Last Observed Sample: 10/29/2012 06:00 (EDT)

Relative to MLLW: **Observed: 7.35 ft.** **Predicted: 4.26 ft.** **Residual: 3.09 ft.**

Historical Maximum Water Level: Sep 12 1960, 4.86 ft. above MHHW

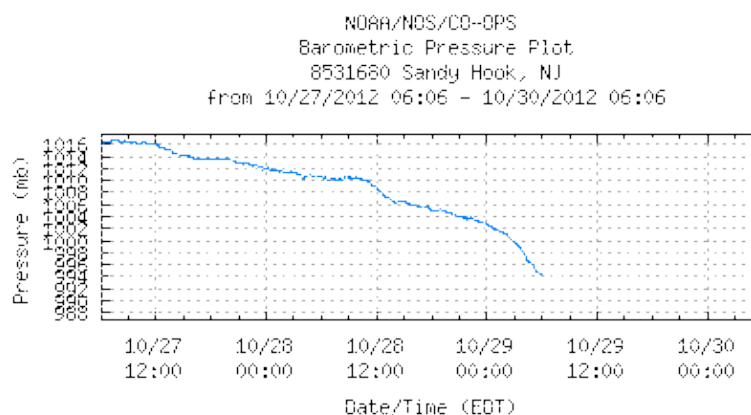
Sandy Hook, NJ - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Wind Speed: 15 knots Gusts: 27 knots Direction: 40° T

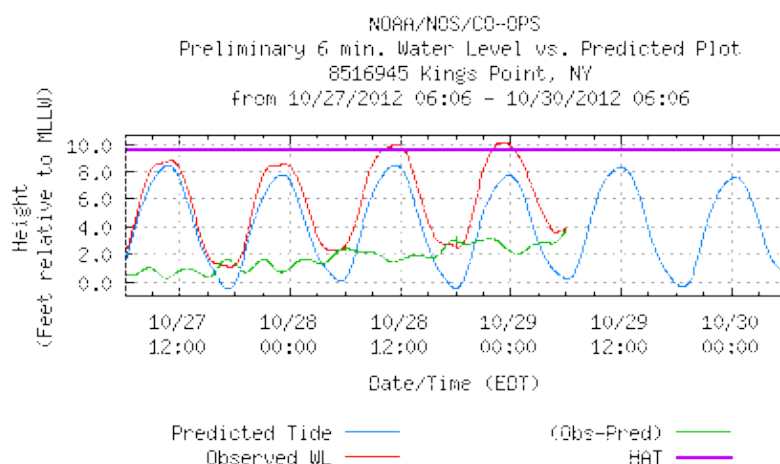
Sandy Hook, NJ - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Barometric Pressure: 994.4 mb

Kings Point, NY - Return to List

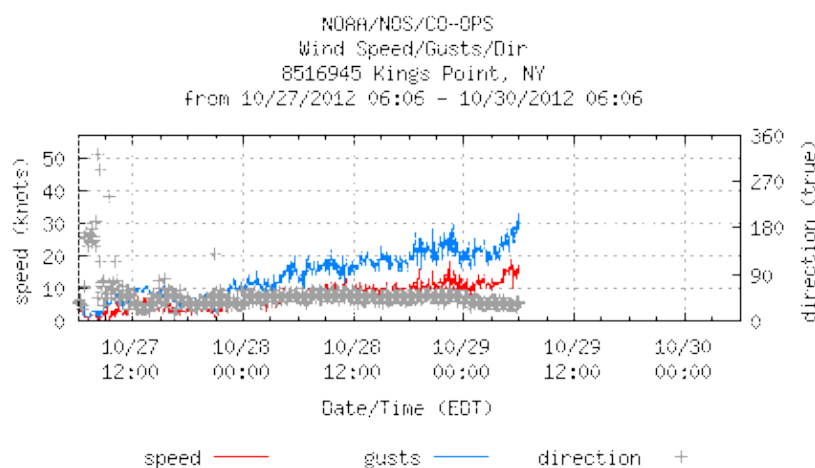


Last Observed Sample: 10/29/2012 06:00 (EDT)

Relative to MLLW: **Observed: 3.89 ft.** **Predicted: 0.24 ft.** **Residual: 3.65 ft.**

Historical Maximum Water Level: Aug 28 2011, 4.51 ft. above MHHW

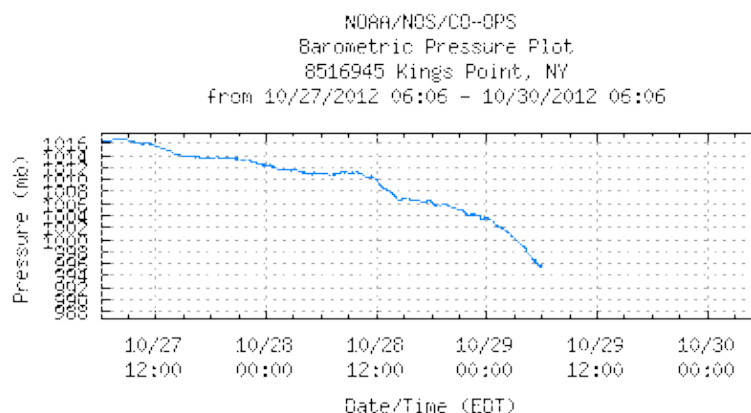
Kings Point, NY - Return to List



Last Observed Sample: 10/29/2012 06:00 (EDT)

Wind Speed: 17 knots **Gusts: 28 knots** **Direction: 36° T**

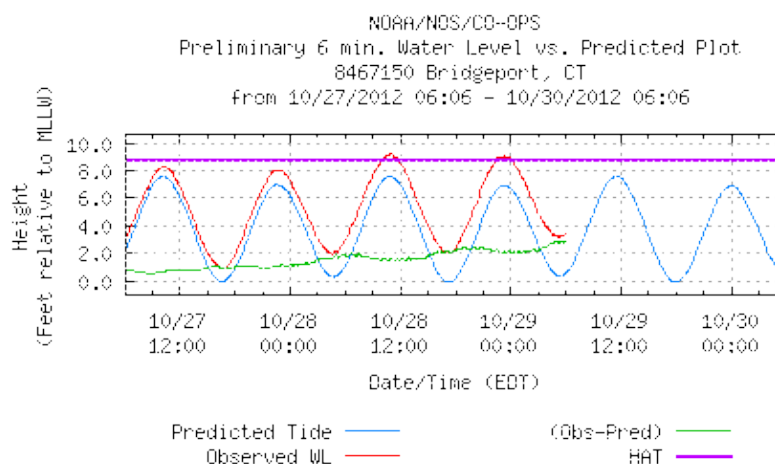
[Kings Point, NY - Return to List](#)



Last Observed Sample: 10/29/2012 06:00 (EDT)

Barometric Pressure: 995.4 mb

[Bridgeport, CT - Return to List](#)

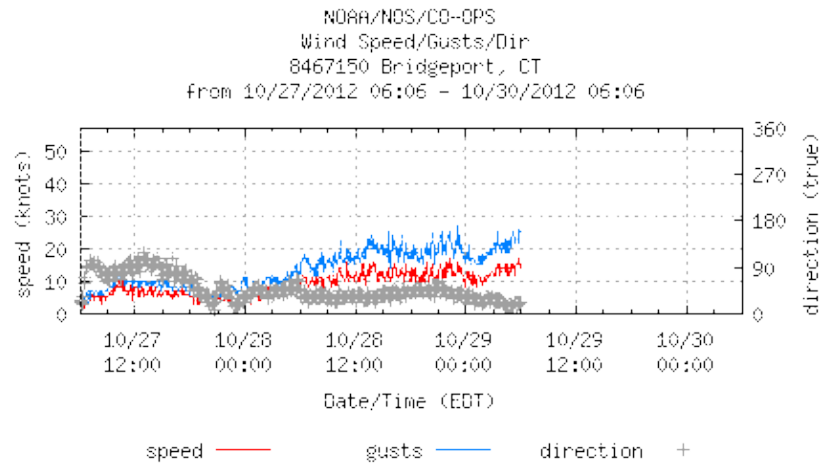


Last Observed Sample: 10/29/2012 05:54 (EDT)

Relative to MLLW: **Observed: 3.42 ft.** **Predicted: 0.53 ft.** **Residual: 2.89 ft.**

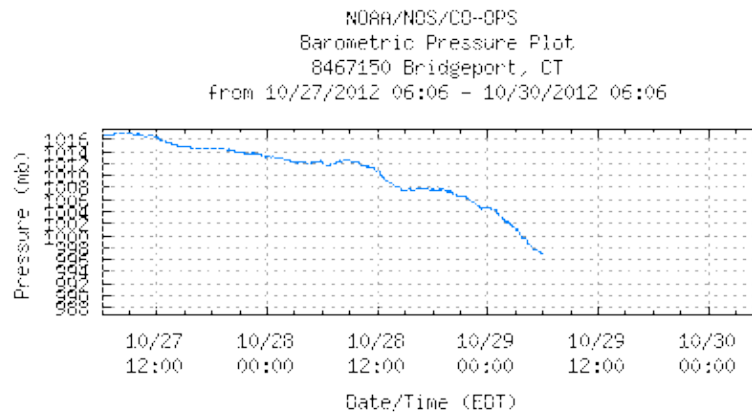
Historical Maximum Water Level: Sep 21 1938, 4.95 ft. above MHHW

Bridgeport, CT - Return to List



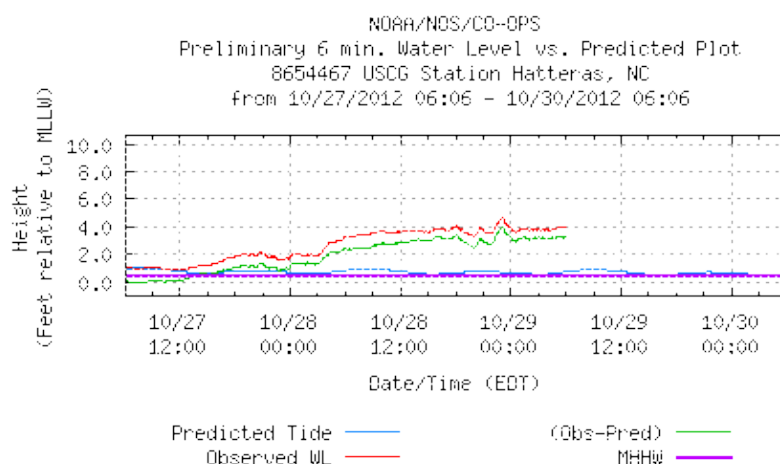
Last Observed Sample: 10/29/2012 05:54 (EDT)
Wind Speed: 14 knots Gusts: 25 knots Direction: 24° T

Bridgeport, CT - Return to List



Last Observed Sample: 10/29/2012 05:54 (EDT)
Barometric Pressure: 997.0 mb

[USCG Station Hatteras, NC - Return to List](#)

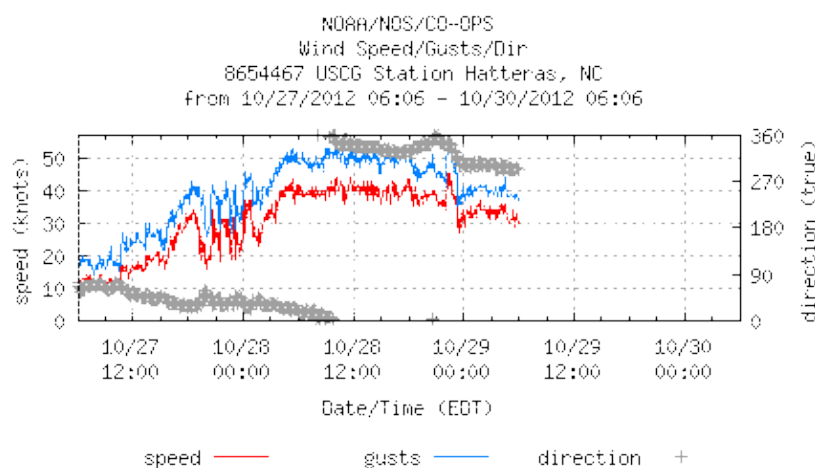


Last Observed Sample: 10/29/2012 05:54 (EDT)

Relative to MLLW: **Observed: 3.98 ft.** **Predicted: 0.75 ft.** **Residual: 3.23 ft.**

Historical Maximum Water Level: Sep 3 2010, 4.04 ft. above MHHW

[USCG Station Hatteras, NC - Return to List](#)



Last Observed Sample: 10/29/2012 05:54 (EDT)

Wind Speed: 30 knots **Gusts: 37 knots** **Direction: 292° T**

USCG Station Hatteras, NC - Return to List

NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/29/2012 05:54 (EDT)

[Barometric Pressure: 990.2 mb](#)

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce